



# INSTALLATION INSTRUCTIONS

CARE AND USE MANUAL FOR:

## BUILT-IN HOODS



**2458 910**

Models covered by this instructions:

**2458 910 (SU902)**

\*\*\* BEFORE INSTALLATION \*\*\*

ENSURE THERE IS NO VISIBLE OR HIDDEN DAMAGE SUSTAINED  
DURING SHIPPING

\*\*\* SHIPPING DAMAGE \*\*\*

MUST BE REPORTED WITHIN 5 DAYS OF RECEIPT

# WARNING

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*Thank you for purchasing a Foster Range Hood.  
Please read all the instructions in this manual before  
installing the appliance.*

*Save these instructions for future reference.*

Only use this appliance as an exhaust ventilation system for the removal of cooking vapors. **DO NOT** use to expel flammable substances or any other materials or vapors.

The installation procedures in this manual are intended for qualified installers, service technicians or persons with similar qualified background. **DO NOT** attempt to install this appliance yourself.

Ensure that electrical power is turned off at source before commencing installation. All electrical wiring must be properly installed, insulated and grounded and conform to all applicable codes and standards.

Make sure all existing duct work is clean of grease build up, or duct work should be replaced, if necessary, to avoid the possibility of a grease fire. Check all joints on ductwork to ensure proper connection and all joints should be properly taped. Be careful when cutting through ceilings or walls not to damage any hidden pipes or electrical wiring. Ensure your kitchen has sufficient air return vents to replace the exhausted air.

Fan ducts should always be vented to the outside of your home and never into spaces within walls, ceilings, lofts or attics. Only use rigid, smooth steel for ducting. The exhaust point of the blower requires a 6" round connection.

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# BEFORE YOU BEGIN

The manufacturer declines all responsibility in the event of failure to observe the instructions given here for installation, maintenance and suitable operation of the product. The manufacturer further declines all responsibility for injury due to negligence and the warranty of the unit automatically expires due to improper maintenance and/or installation.

**BEFORE YOU BEGIN: It is advisable to test run the range hood before installation.**

**BEFORE STARTING** – please read this entire document and ensure you are fully conversant with the requirements and limitations. These units weigh approximately 125lbs and therefore require a minimum of two people to install.

## DUCTING

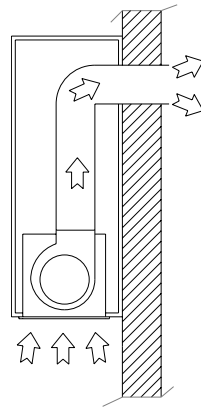
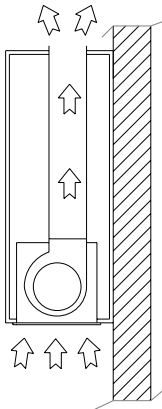
(Not applicable if the range hood is used in re-circulating mode).

**WARNING:** Do not vent this appliance into any other ductwork, spaces between walls, ceilings, attics, garages or any other confined space.

### External Venting Requirements.

When planning new ductwork, always look for the most direct route to the outside. Venting can be done through the roof or directly through the back outside wall. Only use rigid type metal ducting (plastic ducting is generally not permitted by code). Flexible ducting could restrict airflow by up to 50%.

Always fasten connections with sheet metal screws and tape all joints with certified Silver Tape or Duct Tape. Do not use screws to fasten ductwork to the hood, only use tape as the screws will stop the dampers from opening and your hood will not work. This hood requires a 6" round duct outlet. You can increase the duct size of the duct run but never decrease it. Use the shortest and most direct route possible. Always, wherever possible, reduce the number of transitions and turns with as few sharp angles as possible. Two staggered 45 degree angles are better than one 90 degree. Make these turns as far away from the motor exhaust as possible, with as much space between each bend.



### Duct Run Calculation.

The maximum duct run before effecting the performance of the hood is 100'. Calculate your duct run by measuring linear feet and adding the elbows, transitions and caps based on the table below.

Maximum Run	
6" or 3 1/4 x 10" duct	100 FT
Deduct	
Each 90 elbow used	15FT
Each 45 elbow used	9FT
Each 6" or 3 1/4 x 10" duct	
Transition used	1FT
Each 3'1/4 x 10" to 6"	
Transition used	5FT
Side Wall with damper	30FT
Roof Cap	30FT

The ducting connection to the hood must be in line with the central vertical axis of the range hood 1" away from the back wall on which the hood is to be mounted.

Range hoods may interrupt the proper flow of combustion gases from fireplaces, gas furnaces and gas water heaters.

To minimize the risk of drawing these lethal gases back into the home, please follow the heating equipment manufacturers safety standards and guidelines carefully.

Refer to NFPA and ASHRAE for additional information.

## ELECTRICAL

**WARNING: All electrical work must be performed by a qualified electrician.**

Please ensure that the appropriate electrical codes or prevailing local building codes and ordinances are adhered to.

Ensure that the electricity supply is disconnected at source. Do not use an extension cord or adapter plug with this appliance.

This appliance must be grounded. Connect to a properly grounded branch circuit, protected by a 15 amp circuit breaker.

### Electrical Supply.

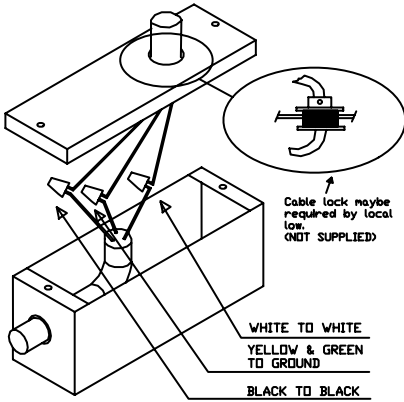
This appliance requires 120V/60Hz, electrical supply - ensure an appropriately qualified person completes the electrical hook-up. The connection point for the electrical supply is at the top of the unit, therefore the electrical supply must be run down from the ceiling alongside the ductwork.

All electrical and venting hook-ups must be in place before commencing installation of the hood-fan.

## Connecting Electricity and Ducting.

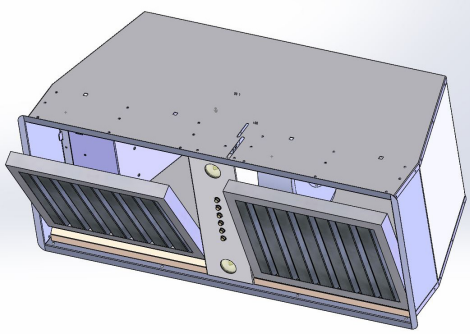
Please refer to the Electrical Supply section on page 2 for the required location of the electrical supply.

**CAUTION:** Make electrical connections.

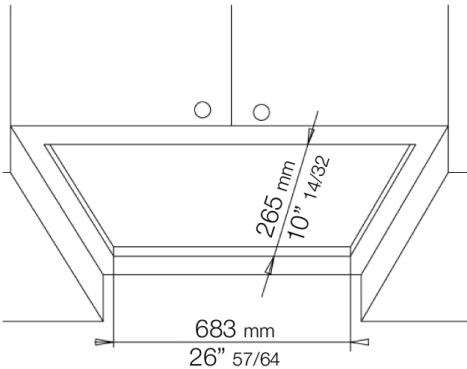


# INSTALLATION

Before installing the appliance, in order not to damage the appliance itself, the metal grease filter should be removed. These filter could be removed by pushing the handles towards the back side of the cooker hood and turning it downwards to unfasten it from its slot.



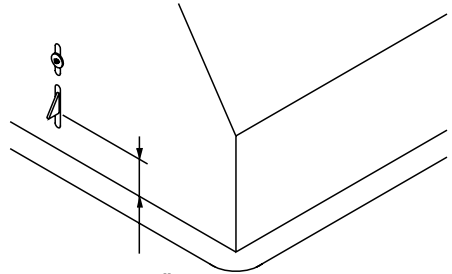
Essential precautions to respect before installing the appliance are the following: To have made a cut out on the bottom of the cabinet which is suitable to hold the appliance in position.



SU902

- prepare the power supply.
- prepare a hole for the exhaust of the air both in the filtering and in the exhausting version.

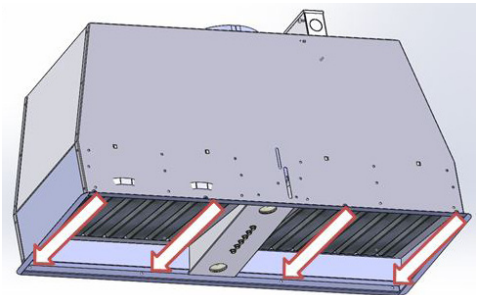
To install the appliance, adjust the position of the stop side-springs using the appropriate screws.



min. 15 mm - 0" <sup>19</sup>/<sub>32</sub>  
max. 40 mm - 1" <sup>37</sup>/<sub>64</sub>

according to the thickness of the board previously drilled, on which the appliance will be fixed.

Insert the built-in unit in the hole made in the cabinet until the stop click of the side springs is heard and the built-in unit is blocked. Insert the screws provided in the holes inside the appliance to block it completely.



## Put the grease filter again

### Blocking of the stop valve

#### Warning!

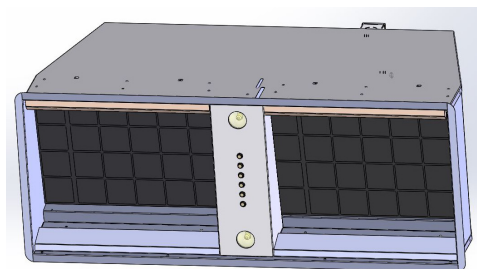
Before connecting the flexible exhausting pipe to the motor, make sure the stop valve, which is on the air outlet of the motor, can swing.

#### Exhausting version

Connect the flange to the exhausting hole with an appropriate pipe. Connect the appliance with the electrical mains through the supply cord.

#### Filtering version

Connect the flange with a pipe suitable to convey the air to the top of the cabinet. Connect the appliance with the electrical mains through the supply cord. Fit the carbon filter after the installation is complete:





# OPERATING PROCEDURES

Read all the instructions before operating the appliance. Save these instructions for future reference.

## General Advice.

Ensure that the grease filters are in place. Without these components, operating blowers could catch on to hair, fingers and loose clothing. Keep fan, filters and surfaces clean of grease and fat. Always turn hood fan ON when cooking. NEVER leave cooking unattended.

NEVER dispose cigarette ashes, ignitable substances or any foreign objects into blowers.

Cooking that generates flame is not recommended as this hood is equipped with a thermal overload that will shut down the motor if it senses excessive heat. When frying, oil in the pan can easily overheat and ignite. Heat oil slowly in an appropriately sized pot (covering the entire burner) to reduce the risk of boiling over and burning.

In the event of a range top grease fire, observe the following:

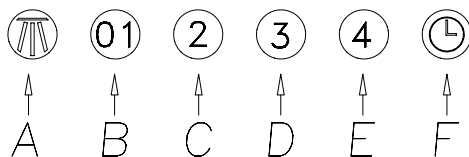
Switch OFF the range hood. Turn off the cook top then smother flames with a close fitting lid, cookie sheet or other metal tray. If the flames do not go out immediately.

**EVACUATE AND CALL THE FIRE DEPARTMENT.**

Never pick up a flaming pan - you may be burned. DO NOT USE WATER including wet dishcloths or towels, as a violent steam explosion may occur.

## FUNCTION

- A: Light ON/OFF button
- B: Blower Speed 1 (low) or OFF
- C: Blower Speed 2 (medium)
- D: Blower Speed 3 (high)
- E: Blower Speed 4 (intensive)
- F: 10 Minute Timer



Filter requires washing indicator: after 30 hours of use, all the buttons will light up to remind you that the grease filter should be cleaned. Follow the instructions for cleaning filters in this booklet. Once the grease filters have been cleaned and replaced, reset by pressing the timer button (F). Do not rely solely on this indicator. Generally, the grease filter should be washed on a regular basis to avoid grease filter fires.

The blower should be turned on for approximately 5 minutes before cooking in order to establish air currents upward through the hood. Use the low speeds for normal use and the higher speeds for strong odors and fumes.

# MAINTENANCE

An accurate maintenance guarantees good functioning and long-lasting performance.

Particular care is due to the grease filter panel. It can be removed by pushing its special handle toward the back-side of the cooker hood and turning the filter downwards so to unfasten it from its slot.

To insert the filter just perform the opposite operation.

After 30 hours working, the push button control panel will signal the saturation of the grease filter by lighting all the buttons. Press the timer button to reset  $\oplus$ . The grease filter needs cleaning by regular hand-washing or in dishwashers every two months at least or depending on its use.

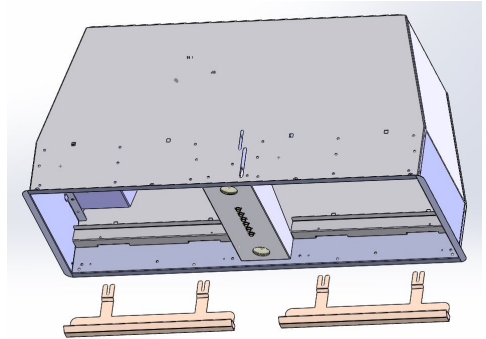
– In case the appliance is used in its filtering version, the active coal filter.

Needs to be periodically replaced. The coal filter can be removed by removing the grease filter first.

And by pulling its special plastic tongue until it is unfastened from its slot. Re-insert the coal filter by operating in the opposite way.

The coal filter needs replacing depending on the use, but however every six months at least.

How to remove the oil tank. After having removed the grease filters and eventually the active coal filters, please hold the oil tank up by one hand and loosen the three handles by the other hand as showed in.



Then let the tank slide downwards making attention in order to avoid the leak of oil.

To clean the appliance itself tepid water and neutral detergent are recommended, while abrasive products should be avoided. For steel appliances specialized detergents are recommended (please follow the instructions indicated on the product itself to obtain the desired results).

**Warning!** To take down the appliance from the cabinet, remove the definitive fixing screws.

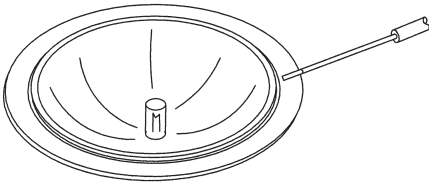
Using a screw-driver, get off the grease filters.

And the active carbon filters, if they are inserted.

Act on the small handle of the springs, which are inside the built-in unit, with the necessary strength to unhook the appliance from the cabinet.

\* If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.

**To replace the dichroic lamp,** remove the lamp.



By inserting a screwdriver or another sharp tool between the lamp and its chrom support and replace it with a l'appareil lamp of the same kind.

## GENERAL CONDITIONS OF GUARANTEE

### *WHAT IS COVERED:*

FOSTER guarantees its products for a period of 24 months from the date of original purchase by final customer, in both EU countries and countries outside the EU where recognized. The purchase must be verified with a valid receipt issued by the dealer (receipt, invoice or delivery note) that identifies the purchased product, date of purchase and / or delivery of the same. The buyer must report any esthetical defect within the first month of purchase of the product. The warranty covers manufacturing defects to all components except for the external piping and / or any accessories.

### *WHAT IS NOT COVERED:*

- Damage caused during installation of the product (reversing doors, removing screws or brackets, adjusting feet, burners, etc.)
- Damage derived from the connection of the power, gas, water and/or electricity supply.
- Damage to knobs, handles, plastic parts, removable panels, lamps, glass parts and external rubber tubes.
- Damaged caused from accident, alteration, misuse, abuse, fire, flood, acts of God, improper installation or use of products not approved by Foster.
- Damage to external components on which the consumer may intervene directly during use and / or maintenance, and which may be subject to wear.
- The formation of rust and stains on the steel due to the use of unsuitable cleaning agents.
- Any functional defect indicated by the user and not confirmed during the process of verification by the technician. In this case the intervention fee will be charged in full to the consumer.
- Any parts that are Damaged from transportation not carried out by a Foster approved carrier.
- Incorrect installation or maintenance, insufficient or excessive electrical flow, plumbing or gas abnormalities, insufficiency of the chimneys, and poor fuel quality.
- Failure to follow the Foster instruction manual.
- Repair by unauthorized personnel.
- This warranty applies to appliances used in residential application; it does not cover their use in commercial situations, which are not allowed for this product.
- Travel fees and associated charges incurred when the product is installed in a location with limited or restricted access (i.e., isolated geographic regions located beyond 50 miles from the nearest Foster dealer).
- Also not included are service visits to:
  - a) Educate the customer in the proper use and care of the product.
  - b) Correct the installation. The customer is responsible for providing electrical wiring and/or gas installation and other connecting facilities.
  - c) Reset circuit breakers or replace home fuses.

Should the appliance be sold by the original purchaser during the warranty period, the new owner continues to be protected until the expiration date of the original purchaser's warranty period.

During the warranty period, FOSTER will replace, or repair free of charge, all components that are defective in origin, leaving unchanged the deadline and the warranty acquired at the time of purchase. The repair is free of charge provided it is carried out by an authorized FOSTER Technical Assistance Centre.

If the equipment is repaired at one of the Authorized Service Centres indicated by the manufacturer and in the case of replacement of the product, shipping will be free of charge. In cases where repair at home is declined, transport to and from the assistance centre will not be paid for or provided by FOSTER.

Once the warranty time has elapsed, the warranty becomes void and assistance will be made by debiting the cost of the replaced parts, and the costs of labour and transportation, according to the rates in force.

Authorized technicians will be sent in due time by FOSTER, with the desire of offering the best service available.

FOSTER is not liable for any damages, direct or indirect, caused to people, objects and pets for failure to follow all the instructions given in the instruction booklet and from damages resulting from the forced suspension of the use thereof.

FOSTER will not be liable for damages arising from any repairs made by unqualified staff untrained by the manufacturer.

This warranty applies to appliances used in residential application; it does not cover their use in commercial situations.

This warranty is for products purchased and retained in the 50 states of the U.S.A., the District of Columbia and the following provinces of Canada: Quebec, Ontario, Alberta, and British Columbia.

**FOSTER DOES NOT ASSUME ANY RESPONSIBILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.**

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights which may vary from state to state or province to province.

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